

SEQUENCE LISTING

<110> GAUTHIER et al.

<120> Human anti-idiotypic antibody fragments that mimic
Her-2/neu

<130> P08951US00/BAS

<140> EP 032930196.6

<141> 2003-12-17

<140> PCT/IB2004/004096

<141> 2004-12-14

<150> US 10/583,034

<151> 2006-06-15

<160> 14

<170> PatentIn Ver. 2.1

<210> 1

<211> 241

<212> PRT

<213> Homo sapiens

<400> 1

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Lys Asn Tyr Gln Ile His Pro Phe Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Ser Arg Gly Gly Gly Gly Ser Gly Gly Gly Ser
115 120 125

Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val
130 135 140

Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg
145 150 155 160

Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val
 165 170 175
 Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg
 180 185 190
 Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly
 195 200 205
 Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Ser Asp Pro
 210 215 220
 Asp Gln Leu Leu Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
 225 230 235 240
 Gly

<210> 2
 <211> 241
 <212> PRT
 <213> Homo sapiens

<400> 2
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30
 Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45
 Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
 50 55 60
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80
 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Lys Asn Val His Ile Gln Pro Phe Asp Tyr Trp Gly Gln Gly Thr
 100 105 110
 Leu Val Thr Val Ser Arg Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
 115 120 125
 Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val
 130 135 140
 Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg
 145 150 155 160

Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val
165 170 175

Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg
180 185 190

Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly
195 200 205

Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Ser Glu Pro
210 215 220

Thr Pro Pro Arg Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
225 230 235 240

Gly

<210> 3
<211> 6
<212> PRT
<213> Homo sapiens

<400> 3
Asn Tyr Gln Ile His Pro
1 5

<210> 4
<211> 6
<212> PRT
<213> Homo sapiens

<400> 4
Asp Pro Asp Gln Leu Leu
1 5

<210> 5
<211> 6
<212> PRT
<213> Homo sapiens

<400> 5
Asn Val His Ile Gln Pro
1 5

<210> 6
<211> 6
<212> PRT
<213> Homo sapiens

<400> 6
Glu Pro Thr Pro Pro Arg
1 5

<210> 7
<211> 11
<212> PRT
<213> Homo sapiens

<400> 7
Cys Ala Lys Lys Lys Ile Gly Pro Phe Asp Tyr
1 5 10

<210> 8
<211> 12
<212> PRT
<213> Homo sapiens

<400> 8
Asn Ser Ser Pro Arg Pro Asn Ala Pro Val Val Phe
1 5 10

<210> 9
<211> 12
<212> PRT
<213> Homo sapiens

<400> 9
Cys Ala Lys Asn Tyr Gln Ile His Pro Phe Asp Tyr
1 5 10

<210> 10
<211> 12
<212> PRT
<213> Homo sapiens

<400> 10
Asn Ser Ser Asp Pro Asp Gln Leu Leu Val Val Phe
1 5 10

<210> 11
<211> 12
<212> PRT
<213> Homo sapiens

<400> 11

Cys Ala Lys Asn Val His Ile Gln Pro Phe Asp Tyr
1 5 10

<210> 12
<211> 12
<212> PRT
<213> Homo sapiens

<400> 12
Asn Ser Ser Glu Pro Thr Pro Pro Arg Val Val Phe
1 5 10

<210> 13
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:primer

<400> 13
tactacgcag actccgtgaa g 21

<210> 14
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:primer

<400> 14
gaattttctg tatgagg 17